

CLAIMS

1. An integrated thermostatic valve device comprising a hollowed-out, tubular-shaped body (1), which has a chamber (2) and which extends from a flange (3) which has holes (4) for screws that fix the body to an engine housing and a central opening (5) that defines a mouth of the chamber, and on the edge of which a ring-shaped groove (6) for housing a sealing ring (7); and having formed onto the whole length of the inside of the hollowed-out body (1) on two diametrically opposed sides, two longitudinal conical projections (8) between which, near the opening, there is a ring (9) from which projects an extension in the form of an inverted “Y” (10), a cross-shaped leg (11) of which extends to a level of the opening in the body and having on the end of the intersection of the converging parts of the “Y” a fixing hole (12), for centralizing the thermostatic valve when it is being assembled; and by having fixed to the end of the inverted “Y” (10) extension, a part in the form of an upside down plate (13), which has a ring-shaped central projection (14) for attachment and between the plate (13) and the converging parts of the “Y” there is a pressure spring; and metal sheet disc attached to the internal surround of the chamber opening (17) for supporting a working element or temperature sensor (16) of the thermostatic valve, having a central hole in which the terminal (18) of the working element (16) moves; and a washer fixed to the end of the temperature sensor (19), which supports a circular sheet (20) with a turned edge and having a central hole through which the terminal of the working element passes when it is functioning, having a conical pressure spring between the circular sheet (2) and a step formed in the body of the working element.